

Return of experience on transient behavior at the DSG solar thermal Power plant in Kanchanaburi, Thailand

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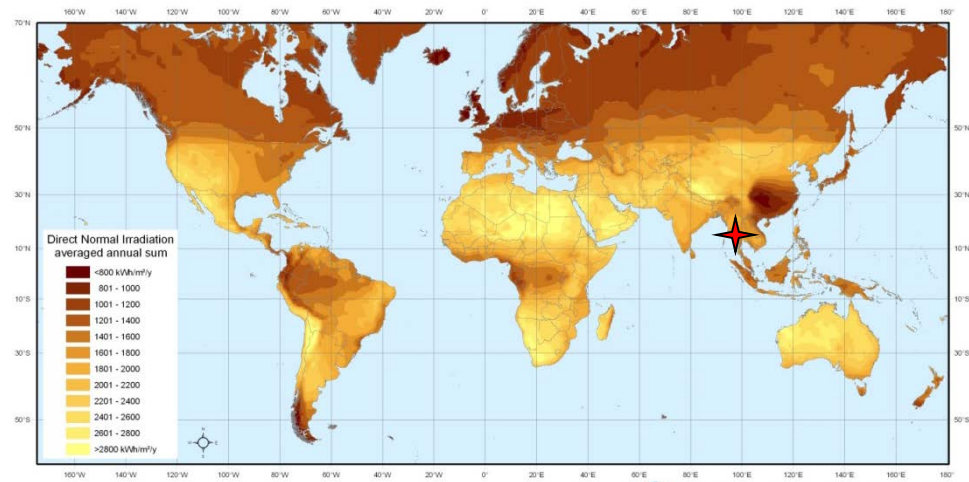


Wissen für Morgen





Direct Normal Irradiation (DNI)



Data based on SSE 6.0 dataset for a 22-year period (July 1983 - June 2005)
(<http://eosweb.larc.nasa.gov/sse/>)

Map created and map layout by 2008
(<http://www.dlr.de>)

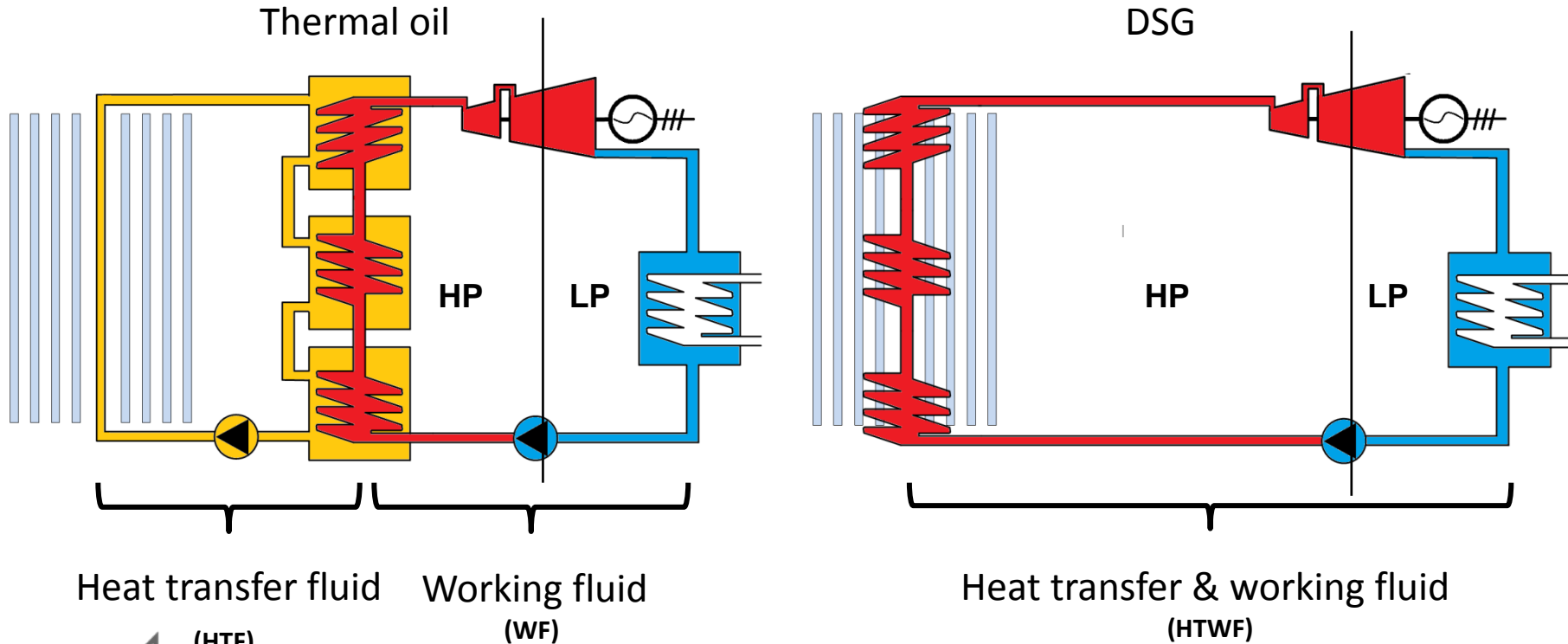




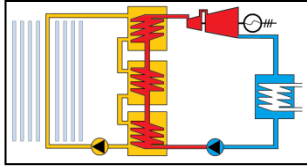
1. Motivation
2. Power plant characteristic
3. Classification of the operation days
4. Evaluation
5. Conclusion



Thermoöl Vs Direktverdampfung



Thermal oil



2 Hydraulic circuits



\$5.67 /kg (bis 9% der gesamtkosten)



Toxic, inflammable

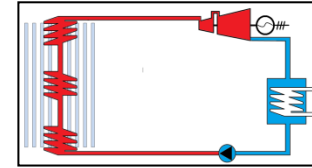


Max 400°C



Proven technology

DSG



1 Hydraulic circuits



0,0x \$ /Liter



Neutral, non-flammable



Temperaturen bis 600°C



High pressure receiver



control system



